

This listing of claims will replace all prior versions and listings of claims in the instant application:

Listing of Claims:

1-49 (cancelled)

50. (previously presented) An oligonucleotide consisting of 16 or more nucleotides of SEQ ID NO:1, wherein said oligonucleotide comprises position 34,201 of SEQ ID NO:1, or a complement thereof.

51-60 (cancelled)

61. (amended) A kit for assaying for the presence of a mutation associated with Familial Dysautonomia in an individual comprising primers 18F (SEQ ID NO:82) and 23R (SEQ ID NO:84) that are capable of amplifying a region of IKAP of sufficient size to detect a FD1 mutation or a FD2 mutation, wherein said region amplified comprises a FD1 or a FD2 mutation.

62-64 (cancelled)

65. (amended) ~~The kit of claim 64, wherein said~~ A kit for assaying for the presence of a mutation associated with Familial Dysautonomia in an individual comprising primers are 19F (SEQ ID NO:83) and 23R (SEQ ID NO:84) that are capable of amplifying a region of IKAP of sufficient size to detect a FD1 mutation or a FD2 mutation, wherein said region amplified comprises a FD1 or a FD2 mutation.

66-75 (cancelled)

76. (new) The oligonucleotide of claim 50, wherein said oligonucleotide comprises a cytosine at position 34,201 of SEQ ID NO:1.

77. (new) An oligonucleotide consisting of 16 or more nucleotides of SEQ ID NO:1, wherein said oligonucleotide comprises position 33,714 of SEQ ID NO:1, and wherein there is a cytosine at position 33,714 of SEQ ID NO:1, or a complement thereof.

78. (new) An oligonucleotide consisting of 16 or more nucleotides of SEQ ID NO:2, wherein said oligonucleotide comprises position 2,397 of SEQ ID NO:2, and wherein there is a cytosine at position 2,397 of SEQ ID NO:2, or a complement thereof.